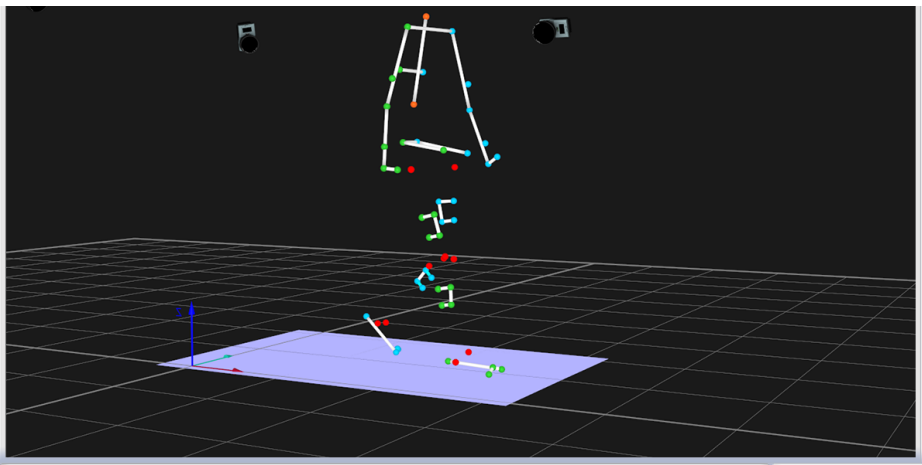
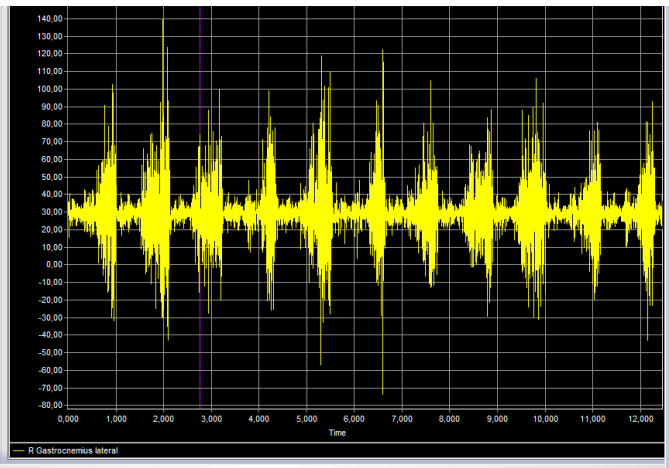
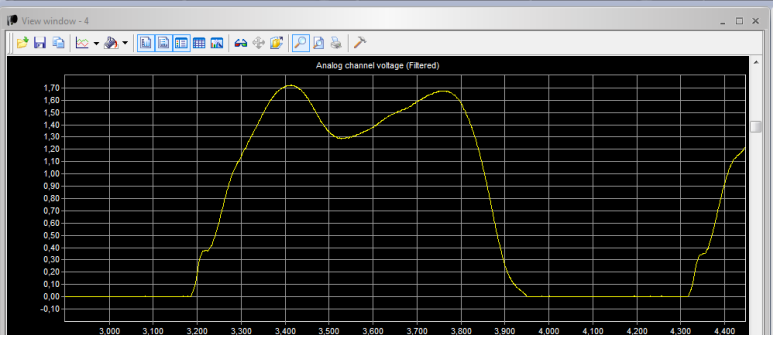
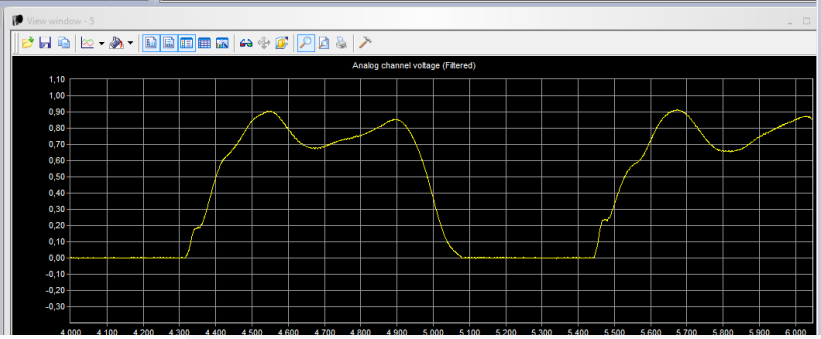
QUALISYS
Motion Capture Systems









Integrating EMG

Qualisys Track Manager supports major force plates and EMG systems used in biomechanics research. The Noraxon Ultium and DTS a well as Delsys Trigno EMG systems have dedicated drivers within QTM.

Connection with QTM can be transmitted wirelessly with digitally integrated devices, or through an analog board. QTM has integrated support for a 16-channel or 64-channel A/D-interface (several such units can be used together in order to increase the channel count). Through the A/D-interface basically any type of signal can be acquired synchronously with motion data.

EMG data can be combined with data from force plates to get synchronized force, motion and EMG data. Data can be viewed in real-time and exported to C3D, TSV or MATLAB.

FEATURES

- Complete integration of EMG & motion data capture
- Runs on a single laptop
- Up to 16 EMG channels
- Real-time feedback

SYSTEM REQUIREMENTS

- Qualisys motion capture system
- EMG system
- Analog board[1]
- Miqus Sync Unit[2]
- Windows 7, Windows 8, or Windows 10

[1] Not necessary with Delsys, and Noraxon. Instacal software must be installed when running through A/D

[2] Required for any external device sync using a Miqus system

qualisys.com sales@qualisys.com

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Delsys

QTM supports integration with the Delsys Trigno systems seamlessly in QTM without the need for an A/D board.

Noraxon

QTM integrates with the Noraxon Ultium, TeleMyo 2400T G2 EMG, TeleMyo DTS Belt Receiver and DTS Desk Receiver.

CONNECTION

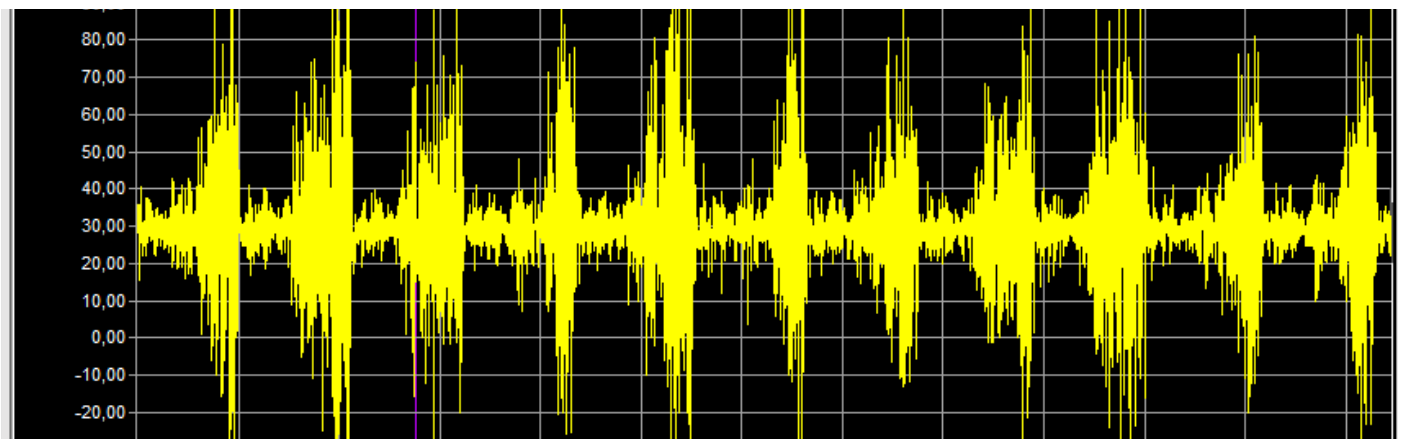
Noraxon and Delsys EMG systems are integrated in QTM so that they can be collected directly without an extra analog board. Both EMG or IMU data can be transmitted from select systems. The system is connected through the wireless signal or via an A/D board connected through USB for those devices that are not digitally integrated. QTM will guide you through the installation process in the help menu. Up to 16 channels can be synced; activate channels directly in QTM without unplugging any manually.

	Channel name	EMG data	ACC data
1	CH1	☑	☑
2	CH2	☐	☐
3	CH3	☐	☐
4	CH4	☐	☐
5	CH5	☐	☐
6	CH6	☐	☐
7	CH7	☐	☐
8	CH8	☐	☐
9	CH9	☐	☐
10	CH10	☐	☐
11	CH11	☐	☐
12	CH12	☐	☐
13	CH13	☐	☐
14	CH14	☐	☐
15	CH15	☐	☐
16	CH16	☐	☐

Combine synchronized force & EMG data with motion capture data. Plot recorded EMG data, either in real-time or from a recorded file. Qualisys Track Manager can export data to a number of formats, including C3D, TSV and MATLAB.

For more detailed information on analog or digital connection, visit our website or contact your regional sales representative.

EMG DATA IN QTM



QUALISYS

qualisys.com
sales@qualisys.com

Qualisys Europe
Gothenburg, Sweden

Qualisys Americas
Chicago, USA

Qualisys Asia Pacific
Shanghai, China